

SPA 1 Installation of Recharge Wells @ South Plant

Project Number: 20234

Department: PUBLIC WORKS - UTILITIES

Last Updated: 04/06/2009

Project Manager: Nancy Eberlein

Contact Number: 623.222.7000

Address/Location: 136th Avenue and Cactus Rd.

Project Description:

Design, permitting, and construction of 25 recharge wells at the SPA 1 Water Reclamation Facility, five scheduled in FY2008 and the remainder in FY2011 - FY2015. Recharge wells are used for water conservation by pumping effluent water into the ground. After the recharge wells are permitted, water usage credits will be received from the Arizona Department of Water Resources (ADWR).

Schedule Breakdown

Delivery Method: Construction Manager @ Risk (CM@R)

| Project Phases | Percent Completed | Original Est Completion | Projected Completion | Procurement Results |
|--------------------------|-------------------|-------------------------|----------------------|--|
| Design Procurement | 100% | 11/01/2005 | | |
| Council - Design | 0 | | | Lockwood, Andrews & Newnam - \$425,436 |
| Design | 100% | 11/01/2007 | 09/01/2008 | |
| Construction Procurement | 0% | | 07/01/2008 | Archer Western - \$3,400,000 |
| Council - Construction | 100 | 06/01/2006 | 07/01/2007 | |
| Construction | 80% | 06/01/2007 | 06/01/2009 | |

Budget Breakdown

Funding Source: Replenishment System Development Fee

Budget Notes

Project Budget:

| | |
|------------------------|---------------|
| Original: | \$ 30,000 |
| Change: | \$ 10,000,000 |
| Amended: | \$ 10,030,000 |
| Total Expended: | \$ 2,346,370 |

Budget increase of \$500,000 July 03. Budget increase of \$3,500,000 July 07. Budget increase of \$6,000,000 July 08. The \$4,030,000 is for the design of 25 wells and the construction of five. Twenty wells are scheduled for FY2011 thru FY2015. FY07 - \$251,200, FY08 - \$219,600, FY09 - \$3,559,200, FY11 - \$600,000, FY12 - \$600,000, FY13 - \$600,000, FY14 - \$1,200,000, FY15 - \$3,000,000

Project Update

Current Project Status

The retention basin cover installation has been completed. APS plans have been finalized and an APS easement agreement has been approved by the legal via an RFLS (Request for Legal Services). Operations & Maintenance Manuals (O&Ms) for the recharge wells have been through the first round of reviews.

What's Next

A Tideflex valve will be installed on the uncovered basin to prevent water from migrating into the covered basin. Two pressure sustaining valves will be installed in vaults at the influx of each recharge basin. Testing of the recharge wells can begin after state permits have been obtained.

